

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-2. (canceled)

3. (previously presented): A substantially pure polypeptide comprising the sequence of SEQ ID NO:1.

Claims 4-5. (canceled)

6. (withdrawn): An isolated nucleic acid encoding the polypeptide of claim 1.

7. (withdrawn): An isolated nucleic acid encoding the polypeptide of claim 3.

8. (withdrawn): An isolated nucleic acid encoding the polypeptide of claim 4.

9. (withdrawn): An isolated nucleic acid comprising a strand that hybridizes under stringent conditions to a single stranded probe, the sequence of which consists of any one of SEQ ID NOs:3, 59, 75, 78, 79, 80, 81, 85, 86, or 87, or the complement of any one of SEQ ID NOs:3, 59, 75, 78, 79, 80, 81, 85, 86, or 87.

10. (withdrawn): The isolated nucleic acid of claim 9, wherein the nucleic acid encodes a polypeptide that contains a PDZ domain.

11. (withdrawn): The nucleic acid of claim 10, wherein the amino acid sequence of the polypeptide comprises any one of SEQ ID NOs:1, 2, 82, 83, or 84.

12. (withdrawn): The nucleic acid of claim 9, wherein the strand is at least 15 nucleotides in length.

13. (withdrawn): The nucleic acid of claim 12, wherein the nucleic acid is an antisense nucleic acid that inhibits expression of a polypeptide comprising any one of SEQ ID NOs:1, 2, 82, 83, or 84.

14. (withdrawn): A vector comprising the nucleic acid of claim 6.

15. (withdrawn): A vector comprising the nucleic acid of claim 7.

16. (withdrawn): A vector comprising the nucleic acid of claim 8.

17. (withdrawn): A vector comprising the nucleic acid of claim 9.

18. (withdrawn): A vector comprising the nucleic acid of claim 10.

19. (withdrawn): A cultured host cell comprising the nucleic acid of claim 6.

20. (withdrawn): A cultured host cell comprising the nucleic acid of claim 7.

21. (withdrawn): A cultured host cell comprising the nucleic acid of claim 8.

22. (withdrawn): A cultured host cell comprising the nucleic acid of claim 9.

23. (withdrawn): A cultured host cell comprising the nucleic acid of claim 10.

24. (withdrawn): An antibody that specifically binds to the polypeptide of claim 1.

25. (withdrawn): A method of producing a polypeptide, the method comprising isolating the polypeptide from the cultured host cell of claim 19.

26. (withdrawn): A method of screening for a compound that specifically binds to a polypeptide, the method comprising contacting a test compound with the polypeptide of claim 1, and comparing the extent to which the test compound binds to the polypeptide with the extent to which a reference compound binds to the polypeptide, wherein a test compound binding to the polypeptide to a greater extent than the reference compound indicates that the test compound specifically binds to the polypeptide.

27. (withdrawn): The method of claim 26, wherein the test compound is a test polypeptide.

28. (withdrawn): The method of claim 27, further comprising identifying the gene that encodes the test polypeptide.

29. (withdrawn): A compound that binds to the polypeptide of claim 1.

30. (withdrawn): The compound of claim 29, wherein the compound is a polypeptide.

31. (withdrawn): A gene encoding the compound of claim 30.

32. (withdrawn): The nucleic acid of claim 12, wherein the nucleic acid is an antisense nucleic acid that inhibits expression of a polypeptide comprising any one of SEQ ID NOs:1, 2, 82, 83, or 84.

33. (withdrawn): A fusion protein comprising any one of SEQ ID NOs:1, 2, 82, 83, or 84 and another amino acid sequence.

34. (withdrawn): The fusion protein of claim 33, wherein the other amino acid sequence is specifically bound by an antibody.

35. (previously presented): A substantially pure polypeptide comprising SEQ ID NO:2.

36. (previously presented): The polypeptide of claim 3, wherein the polypeptide consists of SEQ ID NO:1.

37. (previously presented): The polypeptide of claim 35, wherein the polypeptide consists of SEQ ID NO:2.